

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|---|------------------|---------|------------------|
| L1 | 295 | upflow near3 (reactor or vessel) and catalyst near2 bed and (screen or divid\$4 or perforat\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/07 17:31 |
| L2 | 155 | upflow near3 (reactor or vessel) and catalyst near2 bed and (screen or divid\$4 or perforat\$4) and (agregat\$4 or cluster\$4 or mass) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/07 17:33 |
| L3 | 238 | upflow near3 (reactor or vessel) and catalyst near2 bed and (mesh or sieve or screen or divid\$4 or perforat\$4) and (agregat\$4 or cluster\$4 or mass) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/07 17:34 |
| L4 | 270 | upflow near3 (reactor or vessel) and catalyst near2 (bed or bottem or support) and (mesh or sieve or screen or divid\$4 or perforat\$4) and (agregat\$4 or cluster\$4 or mass) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/07 17:35 |
| L5 | 276 | upflow near3 (apparatus or reactor or vessel) and catalyst near2 (bed or bottem or support) and (mesh or sieve or screen or divid\$4 or perforat\$4) and (agregat\$4 or cluster\$4 or mass) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/07 17:35 |
| L6 | 797 | (upflow or upstream or up near stream or up near flow) near3 (apparatus or reactor or vessel) and catalyst near2 (bed or bottem or support) and (mesh or sieve or screen or divid\$4 or perforat\$4) and (agregat\$4 or cluster\$4 or mass) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/07 17:37 |
| L7 | 147 | (upflow or upstream or up near stream or up near flow) near3 (apparatus or reactor or vessel) and catalyst near2 (bed or bottem or support) and (mesh or sieve or screen or divid\$4 or perforat\$4) and (agregat\$4 or cluster\$4 or mass) and (rotor or distributor) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/07 17:38 |

EAST Search History

| | | | | | | |
|-----|-----|--|---|----|----|------------------|
| L8 | 102 | (upflow or upstream or up near stream or up near flow) near3 (apparatus or reactor or vessel) and catalyst near2 (bed or bottem or support) and (mesh or sieve or screen or divid\$4 or perforat\$4) and (agregat\$4 or cluster\$4 or mass) and (rotor or distributor) and (collect\$4 or gather\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/07 17:38 |
| L9 | 141 | (upflow or upstream or up near stream or up near flow) near3 (apparatus or reactor or vessel) and catalyst near2 (bed or bottem or support) and (mesh or sieve or screen or divid\$4 or perforat\$4) and (agregat\$4 or cluster\$4 or mass) and (distributor) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/07 17:38 |
| L10 | 57 | (upflow or up near flow) near3 (apparatus or reactor or vessel) and catalyst near2 (bed or bottem or support) and (mesh or sieve or screen or divid\$4 or perforat\$4) and (agregat\$4 or cluster\$4 or mass) and (distributor) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/07 17:39 |
| L11 | 22 | (upflow or up near flow) near (apparatus or reactor or vessel) and catalyst near2 (bed or bottem or support) and (mesh or sieve or screen or divid\$4 or perforat\$4) and (agregat\$4 or cluster\$4 or mass) and (distributor) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/07 17:39 |
| L12 | 152 | (upflow or up near flow) near (apparatus or reactor or vessel) and catalyst near2 (bed or bottem or support) and (mesh or sieve or screen or divid\$4 or perforat\$4) and (agregat\$4 or cluster\$4 or mass) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/07 17:39 |
| L13 | 126 | (upflow or up near flow) near (apparatus or reactor or vessel) and catalyst near (bed) and (mesh or sieve or screen or divid\$4 or perforat\$4) and (agregat\$4 or cluster\$4 or mass) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/07 17:40 |
| L14 | 0 | (upflow or up near flow) near (apparatus or reactor or vessel) and catalyst near (bed) and (mesh or sieve or screen or divid\$4 or perforat\$4) and (agregat\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/07 17:39 |

EAST Search History

| | | | | | | |
|-----|-----|--|---|----|----|------------------|
| L15 | 0 | (upflow or up near flow) near (apparatus or reactor or vessel) and catalyst near (bed) and (mesh or sieve or screen or perforat\$4) and (agregat\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/07 17:39 |
| L16 | 212 | (upflow or up near flow) near (apparatus or reactor or vessel) and catalyst near (bed) and (mesh or sieve or screen or perforat\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/07 17:39 |
| L17 | 109 | (upflow or up near flow) near (apparatus or reactor or vessel) and catalyst near (bed) and (mesh or sieve or screen or perforat\$4) and (agregat\$4 or cluster\$4 or mass) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/07 17:40 |
| L18 | 101 | (upflow or up near flow) near (apparatus or reactor or vessel) and catalyst near (bed) and (mesh or sieve or screen or perforat\$4) and (agregat\$4 or cluster\$4 or mass) and (upper or lower) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/07 17:40 |
| L19 | 17 | (upflow or up near flow) near (apparatus or reactor or vessel) and catalyst near (bed) and (mesh or sieve or screen or perforat\$4) and (agregat\$4 or cluster\$4 or mass) and (upper or lower) and distributor | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/07 17:41 |
| L20 | 76 | (upflow or up near flow) near (apparatus or reactor or vessel) and catalyst near (bed) and (mesh or sieve or screen or perforat\$4) and (agregat\$4 or cluster\$4 or mass) and (upper or lower) and distribut\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/07 17:41 |
| L21 | 54 | (upflow or up near flow) near (apparatus or reactor or vessel) and catalyst near (bed) and (mesh or sieve or screen or perforat\$4) and (agregat\$4 or cluster\$4 or mass) and (upper or lower) and distribut\$4 and collect\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/07 17:41 |

EAST Search History

| | | | | | | |
|-----|----|--|---|----|----|------------------|
| L24 | 0 | (upflow or up near flow) near (apparatus or reactor or vessel) and catalyst near (bed) and (mesh or sieve or screen or perforat\$4) and (agregat\$4 or cluster\$4 or mass) and (upper or lower) and distribut\$4 and collect\$4 and perforat\$4 and jacket | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/07 17:42 |
| L25 | 10 | (upflow or up near flow) near (apparatus or reactor or vessel) and catalyst near (bed) and (mesh or sieve or screen or perforat\$4) and (agregat\$4 or cluster\$4 or mass) and (upper or lower) and distribut\$4 and collect\$4 and perforat\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/07 17:42 |